



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/899,293	07/06/2001	Young-Il Kim	P56339	7669

7590 12/09/2004

Robert E. Bushnell
Suite 300
1522 K Street N.W.
Washington, DC 20005-1202

EXAMINER

ALOMARI, FIRAS B

ART UNIT	PAPER NUMBER
----------	--------------

2136

DATE MAILED: 12/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

88

Office Action Summary	Application No.	Applicant(s)	
	09/899,293	KIM, YOUNG-IL	
	Examiner	Art Unit	
	Firas Alomari	2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07/06/2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 06 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>30/11/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DTAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Holloway et al. US Patent No. 5,805,801 .

a. As per claim 1:

Holloway discloses A MAC (media access control) address-based communication restricting method (Col 3, lines 15-16) comprising the steps of:

- Receiving packet data upon request of communication through at least one port of a plurality of ports of an Ethernet switch (Col16, lines 27-30);
- Reading a MAC destination address and a MAC source address included in the received packet data (item 145 of FIG 10 and item 131 FIG 11);
- Detecting. In an address table, access vectors corresponding to the MAC destination and source address (FIG 6 and Col 9, lines 49-51 with Col 3, lines 7-9 / Holloway teaches using combination of data structures AAL (access authorization list) and ICD (interconnected device list) the ICD will contain information on connected MAC addresses to the specific Managed hub while the AAL will contain the security access control information for

each device. The combination of those two will perform the same function as the address table);

- Denying access if the access vectors of the MAC destination and source addresses are not matched (Col 3, lines 9-11; if the managed hub detects an unauthorized station connecting to the LAN the hub disables the port/ disabling the hub will perform the step of denying access).

b. As per claim 2:

Holloway teaches the system further comprising steps of:

- Configuring an anti-hacker table comprising information pertaining to a plurality of client nodes and a plurality of server nodes of a network, wherein each client node is identified by a corresponding MAC address, a corresponding host identification and a corresponding IP (Internet protocol) address, and each server node is identified by a corresponding MAC address, a corresponding IP (Internet protocol) address (Col 7 lines 7-13 and FIG 7; Holloway method teaches the AAL table and Breach list table with no IP address but he also teaches in Col 17 lines 15-17 that the list can be extended to contain the IP address);
- Determining whether the received MAC source address is stored in said address table (item 132 of FIG 11 and Col 11 lines 14-16); configuring an address entry for said received MAC source address when it is determined that said MAC source address is not stored in

Art Unit: 2136

said address table and identifying said received MAC source address as a new MAC source address (item 135 of FIG 11, Col 11 lines 21-29, item 137 of FIG 11 and Col 11 lines 31-34);

- Determining whether said new MAC source address is stored in said anti-hacker table (item 220 of FIG 12 and Col 11, lines 62-64);
- And storing the configured address entry for said received MAC source address in said address table when it is determined that said new MAC source address is not stored in said anti-hacker table (item 265 of FIG 12 and Col 12 lines 17-23).

c. Asp per claim 3:

801' teaches the system further comprising:

- Adding a port number, corresponding to the port through which said packet data was received, to a storage area corresponding to said new MAC source address in said anti-hacker table (item 265 of FIG 12 and Col 12 lines 17-20);
- Modifying an access vector included in said configured address entry for said new MAC source address, to set security (item 320 of FIG 13 and Col 13 lines 34-36 / setting the filter in Holloway system perform the task of setting security by defining which MAC addresses are allowed or denied access to the destination MAC addresses); and

Art Unit: 2136

- Storing the configured address entry including the modified access for said new Mac source address in said address table (items 320,322 of FIG 13 and lines 34-41 / setting up the filter and checking if the filter has been applied, implies that the filter containing the MAC address is stored on the device memory).


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Firas Alomari whose telephone number is (571) 272-7963. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AYAZ SHEIKH can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FA

Firas Alomari
Art Unit 2136


AU2131
12/2/04